BRUHATH BENGALURU MAHANAGARA PALIKE

Yelahanka Division, Yelahanka Zone

Executive Engineeer
Yelahanka Division
B.B.M.P. Bengaluru - 64

No:EE/YNK-D/E-PMT/05/2020-21 Dated: 03-09-2020

APPROVED TENDER SCHEDULE –'B'

Item 9

Name of Work :-Providing energy efficient LED Street lights Control Switches and wires to Main roads and around Attur ward no:03

Sl	Description	Unit	Approved Qty	Rate quoted by the contractor approved rates Sri MOHANA K S (VIJAYALAKSHMI ASSOCIATES)	
				Rate	Rate in Words
1	Supply of LED Steet Luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp Compartment comprising of anti gloare clear diffuser with injection moulded polycarbonate material, delivering superior light output. Rated life Buring Hrs 50000 hr @ Lumen Maintenance of 70% maximum light intensity should be between 60 degrees to 70degrees. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete Luminaire > IK08. Power Factor > 0.9 With mains, Surge Protection- MIn 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mouting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50 60Hz application. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with W system Power consumption. LED Efficiency> 130lm/w,	Nos	1004.00	9623.20	Nine Thousand Six Hundred TwentyThree Paise Twenty Only

For VIJAYALAKSHMI ASSOCIATES

Proprietor

	Supplying and Fixing .....mm dia class A GI pipe bracket up to 2.7 meters long terminated with a reducing collar of 40x25mm to which extra pipe of 175 mm length is fixed for fixing MV/SV/MH/FTL street light fiiting of all capacities on rail/RCC/wall/tubular pole, using suitable clamps, bolts , nuts and wiring using suitable capacity wires. Using 40mm dia GI pipe.	Each	1004.00	1267.75	One Thousand Two Hundred SixtySeven Paise SeventyFive Only
3	Wiring for lighting/ Power circuit using one of PVC insulated 1100 V grade, stranded Aluminium wire single core in open or concealed system of wiring 4 sqmm	Mtrs	1500.00	9.41	Nine Paise FourtyOne Only
4	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes .25 sqmm Long Barrel.	nos	30.00	20.92	Twenty Paise NinetyTwo Only
5	Fixing halogen/metal halide/SVL/IL/LED floodlight fitting over existing pole/ wall ceiling including clamps, bolts, nuts and wiring using suitable capacity wires.	EaCH	1004.00	183.05	One Hundred EightyThree Paise Five Only
6	Supplying heavy gauge PVC conduit pipe....dia mm thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall/ stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws .25mm dia 2mm thick.	Mtrs	54.00	67.99	SixtySeven Paise NinetyNine Only
7	ACSR conductor as per IS -398 (Part-2/1996) Supplying of Weasel ACSR.	mtrs	1000.00	22.54	TwentyTwo Paise FiftyFour Only
8	LT 2 pin X Arms - MS	Nos	30.00	91.00	NinetyOne Only
9	RCC Pole Clamp - MS	Nos	30.00	55.44	FiftyFive Paise FourtyFour Only
10	1.1KV Ceramic Pin insultor (Shell only)	Nos	25.00	18.83	Eighteen Paise EightyThree Only
11	1.1 kv GI Pin for 1.1KV Cermaic shell Insulator	Nos	25.00	23.49	TwentyThree Paise FourtyNine Only
12	No.8 Strain Insulator	Mtrs	20.00	16.74	Sixteen Paise SeventyFour Only
13	Stringing of conductor Including pin binding, providing jumps, dead ending. Etc.,) Weasel	Mtrs	1000.00	26.42	TwentySix Paise FourtyTwo Only
14	Fixing of 2 Pin cross arm with insulator and Braces fixing	mtrs	30.00	110.88	One Hundred Ten Paise EightyEight Only

For VIJAYALAKSHMI ASSOCIATES

Proprietor

	.1 KV Class HR (Heat Resistant) PVC Insulated & Unsheathed Aluminium Wires MultiStrand Single Core Lead Wires as per Is-694: 2010PVC Wire - 25Sqmm Alwt: 6.7 kgs, Total wt: 11.52 Kgs for 100 Mtrs	mtrs	150.00	33.80	ThirtyThree Paise Eighty Only
16	Thirstor Based single/ Three phase smart street light control and monitoring system Remotely control and monitorable smart street light system by using web or mobile application smart control system has hardware ruggedness over field issues like line cross, line short, lighting and any other irregularities in voltage. It has some features like 1.Remote lighting management. 2.Precise Lighting turnoff. 3.Load ballancing. 4.Load Power regulation. 5.Status tracking it works on the basis of some of these features 1) Main Control Unit (Mother board): Handles Controlling , data handling and Other communication process. 2) Communication unit: GSM/GPRS quad bandwith RS232 Interface Wireless Communication unit. 3) Gate Driver Unit: Firing angle controllable board for driving the Thyristor. 4) Switching Thyristor: SCR 110 AMPS dual thyoristor modules for switching. 5) Embedded Firmware: Firmware to control, handle, process the data and communicate it wirelessly. 6) Metal Enclosure: IP66 weather prof metal enclosure. 7) Transformers: Customized	Nos	10.00	53869.00	FiftyThree Thousand Eight Hundred SixtyNine Only

Signature of the Contractor

For VIJAYALAKSHMI ASSOCIATES

Proprietor

Executive Engineer,
Yelahanka Division,
BBMP, Bengaluru-64.